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TECHNICAL DATA

STRUKTOL® RP 11

PROCESSING ADDITIVE

COMPOSITION

Proprietary blend of fatty acid derivatives.

PROPERTIES	TYPICAL VALUES
Appearance	White to off white pastille
Melting point (°C)	50 - 60
Specific Gravity	1.01
Storage Stability	At least 2 years if stored in cool, dry conditions in well-sealed receptacles. Protect from heat and direct sunlight.
Packaging	50 lb. bag / 2,000 lb. skid 22.7 kg. bag / 909 kg. skid

RECOMMENDATIONS FOR APPLICATION

STRUKTOL® RP 11 is designed as a processing aid and mold release, and works especially well in polypropylene to modify viscosity. We recommend using a stock temperature of ~190°C during processing.

DOSAGE

Refer to page 2.

(06/16/2014Rev1)JDC/abw

Plastic Additives

STRUKTOL® RP 11

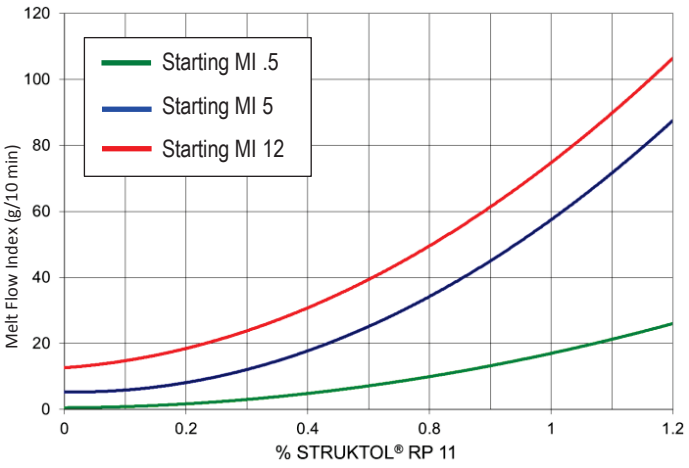
ENGINEERED ADDITIVE FOR CONTROLLED POLYPROPYLENE VISCOSITY MODIFICATION

Struktol Company of America has developed STRUKTOL® RP 11, a unique additive designed for polypropylene that provides controlled viscosity suppression as well as metal release characteristics.

- **Supplied in an easily handled pastille form**
- **Can be added during compounding or at the molding machine**
- **Easily fine tune melt flow rate with adjusted loading levels**
- **Eliminate multiple melt flow rate stocks**
- **Excellent for recycle applications**

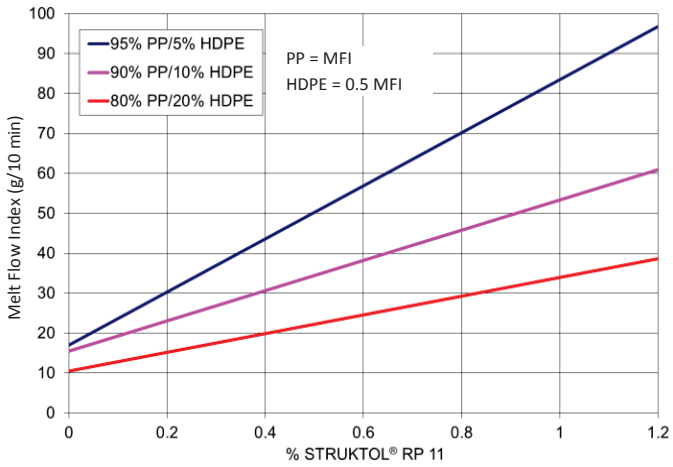
STRUKTOL® RP 11 in Polypropylene

In polypropylene, no matter what the starting melt flow rate, adding STRUKTOL® RP 11 will allow you to fine tune your resin or compound to get the desired lower viscosity without sacrificing physical properties:



STRUKTOL® RP 11 in Recycled or Reclaim Applications

Even in recycled or reclaim applications where there might be multi-material components such as a polyethylene/ polypropylene mixture, STRUKTOL® RP 11 can still provide a desired viscosity modification:



STRUKTOL® RP 11 Effects on Physical Properties

Nominal 5 MFI HPP	Control HPP	0.4% RP 11	0.8% RP 11
MFI, g/10 min.	5.0	21.5	36.5
Notched Izod, ft-lb/in	2.8	2.8	2.6
Tensile Yield, psi	4,780	4,520	4,480
Elongation at Yield, %	5.3	5.6	4.9
Flex Modulus, kpsi	2	2.1	2.2
Gardner Impact, in-lb	8	64	40

Nominal 20 MFI HPP	Control HPP	0.4% RP 11
MFI, g/10 min.	19.8	41.3
Notched Izod, ft-lb/in	3.6	1.8
Tensile Yield, psi	4,200	4,410
Elongation at Yield, %	6.7	6.7
Flex Modulus, kpsi	1.7	2.1
Gardner Impact, in-lb	16	32

Contact Struktol to learn how our Intelligent Additive Solutions can improve your compound!

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