

KPOL-PP K-PPH 35.0

Polypropylene Homopolymer

KPOL Chem Co.

Message:

Polypropylene Homopolymer

Characteristics

The KPOL Chem - PPH 35.0 is a high melt flow rate additivated homopolymer used for general purposes. The product exhibits excellent processing performance on injection moulding applications and Coating applications.

Applications

Injection Molding of thin parts like cups, closures, appliances, housewares, Thin-walled packages for food and cosmetics; Toys; Household appliances; Sealed bottle caps; Compounds; Coating for raffia bags or big- bag.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	BPA Free		
	Food Contact Acceptable		
	General Purpose		
	Good Processability		
	High Flow		
	Homopolymer		
Uses	Appliances		
	Bags		
	Caps		
	Coating Applications		
	Cups		
	Food Packaging		
	General Purpose		
	Household Goods		
	Packaging		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.903	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	34.0	MPa	ASTM D638
Tensile Elongation ² (Break)	12	%	ASTM D638
Flexural Modulus - 1% Secant	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	23	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	102	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 ³
NOTE			
1.	Type IV, 50 mm/min		
2.	Type IV, 50 mm/min		
3.	Rate A (50°C/h), Loading 1 (10 N)		

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