

KPOL-PP K-PPH 38.0 - I

Polypropylene Homopolymer

KPOL Chem Co.

Message:

Polypropylene Homopolymer

Injection - General Purpose

Characteristics

The KPOL Chem - PPH 38.0 - I 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
	Nucleating Agent
Features	Antioxidant
	BPA Free
	Food Contact Acceptable
	General Purpose
	Good Processability
	High Flow
	Homopolymer
	Nucleated
Uses	Appliances
	Bags
	Caps
	Coating Applications
	Cups
	Food Packaging
	General Purpose
	Household Goods
	Packaging
	Thin-walled Parts
	Toys
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Coating
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	38	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)	98.0	°C	ASTM D648
Vicat Softening Temperature	188	°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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