KPOL-PP K-PPH 21.0

Polypropylene Homopolymer

KPOL Chem Co.

Message:

Polypropylene Homopolymer
Characteristics
KPOL Chem K-PPH 21.0 is a high melt flow rate additivated homopolymer suitable for injection molding and fiber extrusion applications. This product exhibits excellent processability with good melt stability and stiffness/impact strength balance. It also features low taste/odor transfer.
Applications
Injection of electric portables and household appliances; Injected chest of drawers and closets; Toys, Continuous filaments for carpets, sewing threads and ropes; Staple fibers for rugs and blankets; Nonwovens produced by thermobonded process.

General Information	
Additive	Antioxidant
Features	Antioxidant
	Good Impact Resistance
	Good Processability
	Good Stiffness
	High Flow
	Homopolymer
	Low Odor Transfer
	Low Taste Transfer
Uses	Appliances
	Electrical/Electronic Applications
	Fibers
	Flooring
	Furniture
	Household Goods
	Nonwovens
	Toys
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Fiber (Spinning) Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	101		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength [1] (Yield)	34.5	MPa	ASTM D638
Tensile Elongation [2] (Break)	11	%	ASTM D638
Flexural Modulus - 1% Secant	1550	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	21	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°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)		

Recommended distributors for this material

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