

Osterlene® PPH-35-.4

Polypropylene Homopolymer
Osterman & Company

Message:

PPH-35-.4 is a low viscosity, highly isotactic, polypropylene homopolymer designed for various injection molded applications such as closures, small appliances, housewares and toys.

PPH-35-.4 contains a unique combination of stabilizers, which give it excellent processability with good stiffness, environmental stress crack resistance, heat performance and minimal odor and taste.

PPH-35-.4 meets all requirements of the U.S. Food and Drug Administration regulation 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact. Specific limitations or conditions of use may apply.

General Information			
Additive	Unspecified Stabilizer		
Features	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	High Isotactic		
	Homopolymer		
	Low to No Odor		
	Low to No Taste		
	Low Viscosity		
	Medium Heat Resistance		
Uses	Appliances		
	Closures		
	Household Goods		
	Non-specific Food Applications		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	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)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.8	MPa	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638

Flexural Modulus	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256

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