

# Osterlene® PPH-12-.4

Polypropylene Homopolymer  
Osterman & Company

Message:

PPH-12-.4 is a general purpose polypropylene homopolymer for use in compounding and injection molding applications. Typical applications include general-purpose molding, disposable containers, caps, closures, and housewares.

General Information			
Features	General Purpose		
	Homopolymer		
Uses	Caps		
	Closures		
	Containers		
	General Purpose		
	Household Goods		
Forms	Pellets		
Processing Method	Compounding Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.9	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	1590	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)	90.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	221	°C	
Middle Temperature	232	°C	
Front Temperature	243	°C	
Nozzle Temperature	243	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

