

Jampilen EP300D

Polypropylene Copolymer

Jam Polypropylene Company

Message:

Jampilen EP300D is a high molecular weight, heterophasic polypropylene copolymer designed for extrusion applications which require a balance of high stiffness and very good impact strength. Jampilen EP300D offers excellent processability in extrusion. The final items show very good mechanical properties, even at temperatures down to -20°C. Major Applications of Jampilen EP300D are profiles, pipes, ducts for electrical distribution and automotive parts. This grade is also used for extrusion blow molding pigmented, glossy monolayer bottles for toiletries, detergents and foodstuffs. Jampilen EP300D is also well suited for corrugated board and sheet for thermoforming. Jampilen EP300D is suitable for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	High Impact Resistance		
	High Molecular Weight		
	High Stiffness		
Uses	Bottles		
	Conduit		
	Corrugated Sheet		
	Piping		
	Profiles		
	Sheet		
Processing Method	Blow Molding		
	Extrusion		
	Pipe Extrusion		
	Profile Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method


Notched Izod Impact			ASTM D256
-20°C	50	J/m	
0°C	130	J/m	
23°C	600	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

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