



Jampilen EP300D

Heterophasic copolymer

JAMPILen Polypropylene

Description:

"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.

Processing Method:

Extrusion
Blow molding

Features:

High molecular weight
High stiffness
Very good impact strength
Excellent processability
Heterophasic copolymer

Typical Applications:

Profiles, pipes
Ducts for electrical distribution and automotive parts
Glossy monolayer bottles for toiletries, detergents and foodstuffs
Corrugated board and sheet for thermoforming

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	0.8	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1250	MPa	ASTM D790
Tensile Strength at Yield	30	MPa	ASTM D638
Tensile Elongation at Yield	13	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	600	J/m	ASTM D256
Izod Impact Strength (notched) at 0 °C	130	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	50	J/m	ASTM D256
Rockwell Hardness	90	R Scale	ASTM D785
Thermal			
Vicat softening point (9.8N)	152	°C	ASTM D1525
H.D.T. (0.46 Mpa)	90	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012

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