



Softell CA 7413 A

Advanced Polyolefin

Product Description

Softell CA 7413 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology. It is suitable for the extrusion, calendering and extrusion blow moulding of very soft film and sheet as well as for injection moulded parts. Softell CA 7413 A exhibits outstanding low stiffness, excellent low hardness and very good impact resistance. Softell CA 7413 A shows high compatibility to fillers and flame retardant additives as well as to other polyolefins. The grade is available in natural pellet form. For regulatory compliance information, please refer to Softell CA 7413 A Product Stewardship Bulletin (PSB)

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Extrusion Compounding, Extrusion Flat-die, Extrusion Wire, Calendering
Features	High ESCR (Environmental Stress Cracking Resistance), Good Flexibility, Low Hardness, Medium Heat Resistance, Good Impact Resistance, Low Temperature Impact Resistance
Typical Customer Applications	Film, Other Industrial, Panels & Profiles, Polymer modifier, Sealants, Single Ply Roofing, Soft Touch Applications, TPO Foils and Skins, Wire & Cable

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.87	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	2.8	g/10 min
Mechanical			
Tensile Stress at Break	ISO 527-1, -2	8	MPa
Tensile Strain at Break	ISO 527-1, -2	>600	%
Flexural modulus	ISO 178	20	MPa
Hardness			
Shore hardness (Shore A)	ISO 868	76	
Thermal			
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	41	°C
Melting temperature	DSC	141	°C
<i>Note: ISO 11357-3</i>			

Notes

Typical properties; not to be construed as specifications.