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
Processing Methods	Extrusion Compounding, Extrusion Flat-die, Extrusion Wire, Calandering
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/cm³
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
Note: ISO 11357-3			

Notes

Typical properties; not to be construed as specifications.