

Luran® S 797 SE

ASA

Product Description

Luran S 797 SE is an extrusion ASA grade with especially high notched impact strength, used for sheet and profile extrusions. The data representable is based on extruded sheet.

RHEOLOGICAL	ASTM Test Method	Property Value
Melt Volume Rate 220 °C/10 Kg	D-1238	5
PHYSICAL	ASTM Test Method	Property Value
Specific Gravity	D-792	1.07
Mold Shrink, Linear-Flow (in/in)	D-955	0.0055
Water absorption saturated at 23°C, %	D-570	1.65
MECHANICAL	ASTM Test Method	Property Value
Rockwell Hardness, R Scale	D-785	90
Tensile Modulus, MPa (psi)	D-638	
23°C (73°F)		1,830 (265,000)
Tensile Strength, Yield (2in/min), MPa (psi)	D-638	
23°C (73°F)		40 (5,800)
Elongation, Yield (2in/min), %	D-638	
23°C (73°F)		2.9
Flexural Modulus, MPa (psi)	D-790	
23°C (73°F)		1,560 (226,000)
Flexural Strength, MPa (psi)	D-790	
23°C (73°F)		57 (8,270)
IMPACT	ASTM Test Method	Property Value
Notched Izod Impact, J/M (ft-lbs/in)	D-256	
-40°C (-40°F)		57 (1.1)
23°C (73°F)		280 (5.2)
THERMAL	ASTM Test Method	Property Value
DTUL @ 264 psi - Annealed °C(°F)	D-648	82 (179)
Vicat, A/2 (50 deg. C/h, 50N), °C(°F)	D-1525	90 (194)
ELECTRICAL	ASTM Test Method	Property Value
Volume Resistivity	D-257	>1E12
Surface Resistivity	D-257	>1E13
Dielectric Constant (1000000 Hz, 0,0394 in)	D-150	3.3
OPTICAL	ASTM Test Method	Property Value
Gloss, 60 °C, %	D-523	91
INJECTION PROCESSING		Property Value
Drying Temperature, °C(°F)		79 (174)
Drying Time, hr		2 to 4
Suggested Max. Re grind, %		30

Note

Note

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