

ASACOM™ S9470

Acrylonitrile Styrene Acrylate/Polycarbonate

ASACOM S9470 is a high heat modified PC/ASA blend, for exterior applications. It has a very good balance of weatherable properties including gloss and colour retention.

Physical Properties	Typical Value	Unit	Test Method based on
Density	1150	Kg/m ³	ISO 1183
Water absorption (23°C, sat)	0.60	%	ISO 62
Moisture absorption (23°C, 50% RH)	0.20	%	ISO 62
Mould shrinkage	0.4-0.7	%	ISO 294
Melt Flow (260°C / 5 kg)	15	g/10 min	ISO 1133
Flammability (1.5mm)	HB		UL94
Flammability (0.8mm)	HB		UL94

All data given are typical product data and do not represent minimum values. The actual value may vary depending on colour and additives.

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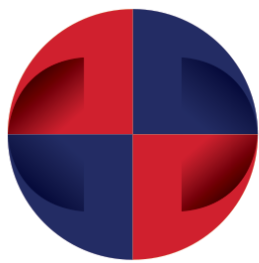
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Mechanical Properties	Typical Value	Unit	Test Method based on
Tensile Strength at Yield (50mm/min)	60	MPa	ISO 527
Elongation at Break	50.0	%	ISO 527
Tensile Modulus (1mm/min)	2500	MPa	ISO 527
Flexural Modulus	2450	MPa	ISO 527
Flexural Strength	80	MPa	ISO 178
Izod Notched Impact (RT)	40	kJ/m ²	ISO 180/1A
Charpy Notched Impact (RT)	50	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact (RT)	NB	kJ/m ²	ISO 179/1eU
CTI	175	V	IEC 60112
Relative permittivity, 1Mhz	2.9		IEC 60250

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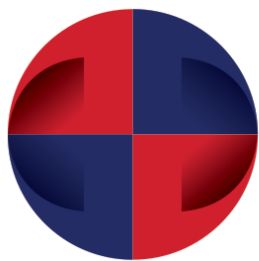
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POLYMER COMPOUNDERS LIMITED

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Thermal Properties	Typical Value	Unit	Test Method based on
CTE linear	7.0E-05	1/°C	ISO 11359-2 (Parallel)
HDT (0.46 MPa)	121	°C	ISO 75/Ae
HDT (1.8 MPa)	112	°C	ISO 75/Ae
Vicat Softening point (B/50)	130	°C	ISO 306

Processing Properties	Typical Value	Unit
Melt Temperature	255	°C
Mould Temperature	70	°C
Injection Velocity	60.0	mm/s
Drying Time	2 to 4	hr
Drying Temperature	100	°C

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