

## Tested by Standards Certified by Quality

Accreditation from renowned organizations from Europe and UK,  
for Accelerated Weatherability Test (Artificial weathering up to 10,000 hours),  
Mechanical properties & Chemical composition of our formulation.

Properties	Standards	Range	Result	Accreditations From	Page No.
Definition, Comparison and Consequences					04 to 11
Accelerated Weathering (20 GJ/m <sup>2</sup> @ 10000 Hours)	DIN EN 513	ΔE not more than 5	1.9	SKZ-Germany & BSI-UK	18
Tensile Impact Strength	BS EN ISO 8256:2005	Not less than 600 KJ/m <sup>2</sup>	934 KJ/m <sup>2</sup>	SKZ-Germany & BSI-UK	16
Flexural Modulus of Elasticity	BS EN ISO 178:2013	Not less than 2200 N/mm <sup>2</sup>	3070 N/mm <sup>2</sup>	SKZ-Germany & BSI-UK	16
Charpy Impact Strength	BS EN ISO 179 -2:1999	Not less than 20 KJ/m <sup>2</sup>	74.5 KJ/m <sup>2</sup>	SKZ-Germany & BSI-UK	24
Reduction in Charpy Impact Strength [Before & After Weathering]	DIN EN ISO 179 -1/1fA	Not More than 40%	10.4 %	SKZ-Germany	24
Vicat Softening Temperature	BS EN ISO 306:1997	Not less than 75°C	80°C	SKZ-Germany & BSI-UK	31
Heat Reversion @ 100 °C,60 Minutes	BS EN 12608-1:2016	To comply as per EN 12608-1:2016	Pass	BSI- UK	36
Resistance to Impact of Main Profile by falling Mass @-10°C,	BS EN 12608-1:2016	To comply as per EN 12608-1:2016	Pass	BSI- UK	37
Weld Strength(Individual Specimen)	BS EN 514:2000	Not less than 20 Mpa	25.32 Mpa	BSI- UK	38
Heat Aging @ 150 °C,30 Minutes	BS EN 12608-1:2016	To comply as per EN 12608-1:2016	Pass	BSI- UK	38
RoHS	DIRECTIVE 2011/65/EU	Lead should not be detected	Not detected	SGS	41
Flammability	UL-94	10 Sec	V <sub>0</sub>	CIPET	49
Limiting Oxygen Index (LOI)	ASTM D2863	45 %	47%	CIPET	50
Density	ASTM D 792	Not Exceed 1.5 gm/cc	1.46 gm/cc	CIPET	53
Thermal Conductivity	ASTM E-1530	0.12 to 0.25 W/mk	0.137 W/mk	CIPET	54
Co-efficient of Linear Thermal Expansion	ASTM D 696	Below 5x10 <sup>-5</sup> /°C	3.82x10 <sup>-5</sup> /°C	CIPET	59