

FR-HIPS and Coloring Services

Idemitsu PS Flame Retardant Grade

We have flame retardant high impact polystyrene grades to suit in different applications. Available flame retardant levels are UL-94 V-0 and UL-94 V-2

Test Item	Method	Unit	SEHI-125	NS-100	SEHI-101	NS-221
MFR	ISO 1133	g/10min	6.3	7.7	4.4	6.1
Density	ISO 1183	Kg/m3	1070	1110	1150	1160
Tensile Strength	ISO 527-1	MPa	33	30	24	24
Tensile Deflection	ISO 527-1	%	30	27	30	35
Flexural Strength	ISO 178	MPa	53	47	41	41
Flexural Modulus	ISO 178	MPa	2460	2450	2180	2250
Charpy ImpactStrength	ISO 179	KJ/m2	12	9	10	9
Vicat Soften Temperature	ISO 306	℃	92	93	90	90
Flammability	UL - 94		V2 / 1.5mm	V2 / 1.5mm	V0 / 2.0mm	V0 / 1.5mm
Remark			Flame resistant	Flame resistant	Flame resistant	Flame resistant