

EPDM/PP Thermoplastic Vulcanizate (TPE) NexPrene TPV 1400 FR Series--Flame Retardant Grade

A fully vulcanized TPV compound based on EPDM/PP. TPV 1400 FR series is designed for EPDM, Neoprene and PVC replacements. Applications include Power Transmission & Distribution components such as connectors, seals, boots and gaskets. Also ideal for wire & cable applications such as insulation and jacketing.

NexPrene rubber : Flame Retardant Grades

Typical Physical Property	ASTM	UNITS	1464A-FR	1470A-FR	1475A-FR	1480A-FR	1490A-FR	1440D-FR	1450D-FR
Hardness: Extrusion (5 seconds) 1. Molded (5 seconds)	D-2240	A or D	60A 64A	65 70	68 73	84 87	88 92	36D 40D	45D 50D
Specific Gravity	D-792		1.24	1.24	1.24	1.25	1.25	1.19	1.15
Tensile Strength	D-412	PSI	650	800	850	1300	1350	1450	1550
Tensile Modulus @ 100%	D-412	PSI	351	400	430	540	780	900	50
Ultimate Elongation	D-412	%	400	450	425	550	550	570	600
Tear Strength, Die C	D-624	PLI	130	135	141	155	252	305	350
Compression Set: 22 hr/70C	D-395	%	34	35	36	40	54	58	65
Flammability Rating (UL 94)	V0		0.047	0.047	0.047	0.047	0.047	0.047	0.047

All information supplied by TPE Solutions, Inc. are believed to be correct. It is supplied upon express condition that the customer shall make its own assessment to determine the product suitability for a particular use.